

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2	(crystal near3 oscillator.ab.) same (thermal\$ and (enclosure or casing))	USPAT	OR	OFF	2010/02/28 09:09
L7	2	(crystal near3 oscillator.ab.) and (thermal adj mass)	USPAT	OR	OFF	2010/02/28 09:10
L8	4	(crystal near3 oscillator.ab.) and (heat adj sink.ab.)	USPAT	OR	OFF	2010/02/28 09:11
L10	9	((US-20060289887-\$ or US-20090153399-\$ or US-20040190378-\$).did. or (US-4993006-\$ or US-5654940-\$ or US-5311060-\$ or US-6161280-\$ or US-4728907-\$ or US-4445096-\$ or US-5659270-\$ or US-5180942-\$ or US-5917272-\$ or US-3796968-\$ or US-5952894-\$ or US-6377585-\$ or US-6963588-\$ or US-6967901-\$ or US-5528560-\$ or US-6556514-\$ or US-4504153-\$ or US-5805051-\$ or US-6969475-\$ or US-6280655-\$ or US-6267911-\$ or US-5770111-\$ or US-5686022-\$ or US-7280438-\$ or US-5047837-\$ or US-6918178-\$).did. or (US-5773362-\$ or	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/28 09:24

US-5299091-\$ or US-  
5828127-\$ or US-  
5608267-\$ or US-  
5367196-\$ or US-  
5188985-\$ or US-  
5122858-\$ or US-  
4939316-\$ or US-  
3930114-\$ or US-  
5598034-\$ or US-  
5175612-\$ or US-  
4868349-\$ or US-  
4680617-\$ or US-  
4620215-\$ or US-  
5525855-\$ or US-  
5913552-\$ or US-  
6021046-\$ or US-  
3883715-\$ or US-  
5912592-\$ or US-  
1813461-\$ or US-  
5652550-\$ or US-  
5025228-\$ or US-  
3962559-\$ or US-  
5919383-\$ or US-  
3071736-\$ or US-  
5545942-\$ or US-  
4826297-\$).did. or  
(US-6208213-\$ or  
US-6052273-\$ or US-  
6128179-\$ or US-  
5122995-\$ or US-  
4800459-\$ or US-  
4535350-\$ or US-  
4142203-\$ or US-  
4954874-\$ or US-  
4229758-\$ or US-  
5043535-\$).did. or  
(US-1689471-\$ or  
US-3071736-\$).did.)  
and "361"/\$.ccls.

L11	26	((US-20060289887-\$ or US-20090153399-\$ or US-20040190378-\$).did. or (US-4993006-\$ or US-5654940-\$ or US-5311060-\$ or US-6161280-\$ or US-4728907-\$ or US-4445096-\$ or US-5659270-\$ or US-5180942-\$ or US-5917272-\$ or US-3796968-\$ or US-5952894-\$ or US-6377585-\$ or US-6963588-\$ or US-6967901-\$ or US-5528560-\$ or US-6556514-\$ or US-4504153-\$ or US-5805051-\$ or US-6969475-\$ or US-6280655-\$ or US-6267911-\$ or US-5770111-\$ or US-5686022-\$ or US-7280438-\$ or US-5047837-\$ or US-6918178-\$).did. or (US-5773362-\$ or US-5299091-\$ or US-5828127-\$ or US-5608267-\$ or US-5367196-\$ or US-5188985-\$ or US-5122858-\$ or US-4939316-\$ or US-3930114-\$ or US-5598034-\$ or US-5175612-\$ or US-4868349-\$ or US-4680617-\$ or US-4620215-\$ or US-5525855-\$ or US-5913552-\$ or US-6021046-\$ or US-3883715-\$ or US-5912592-\$ or US-1813461-\$ or US-5652550-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/28 09:27
-----	----	---	------------------------------	----	-----	---------------------

		5025228-\$ or US-3962559-\$ or US-5919383-\$ or US-3071736-\$ or US-5545942-\$ or US-4826297-\$).did. or (US-6208213-\$ or US-6052273-\$ or US-6128179-\$ or US-5122995-\$ or US-4800459-\$ or US-4535350-\$ or US-4142203-\$ or US-4954874-\$ or US-4229758-\$ or US-5043535-\$).did. or (US-1689471-\$ or US-3071736-\$).did.) and "257"/\$.ccls.				
L12	12	((US-20060289887-\$ or US-20090153399-\$ or US-20040190378-\$).did. or (US-4993006-\$ or US-5654940-\$ or US-5311060-\$ or US-6161280-\$ or US-4728907-\$ or US-4445096-\$ or US-5659270-\$ or US-5180942-\$ or US-5917272-\$ or US-3796968-\$ or US-5952894-\$ or US-6377585-\$ or US-6963588-\$ or US-6967901-\$ or US-5528560-\$ or US-6556514-\$ or US-4504153-\$ or US-5805051-\$ or US-6969475-\$ or US-6280655-\$ or US-6267911-\$ or US-5770111-\$ or US-5686022-\$ or US-7280438-\$ or US-5047837-\$ or US-6918178-\$).did. or (US-5773362-\$ or US-5299091-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/28 09:35

		5828127-\$ or US- 5608267-\$ or US- 5367196-\$ or US- 5188985-\$ or US- 5122858-\$ or US- 4939316-\$ or US- 3930114-\$ or US- 5598034-\$ or US- 5175612-\$ or US- 4868349-\$ or US- 4680617-\$ or US- 4620215-\$ or US- 5525855-\$ or US- 5913552-\$ or US- 6021046-\$ or US- 3883715-\$ or US- 5912592-\$ or US- 1813461-\$ or US- 5652550-\$ or US- 5025228-\$ or US- 3962559-\$ or US- 5919383-\$ or US- 3071736-\$ or US- 5545942-\$ or US- 4826297-\$).did. or (US-6208213-\$ or US-6052273-\$ or US- 6128179-\$ or US- 5122995-\$ or US- 4800459-\$ or US- 4535350-\$ or US- 4142203-\$ or US- 4954874-\$ or US- 4229758-\$ or US- 5043535-\$).did. or (US-1689471-\$ or US-3071736-\$).did.) and "310"/\$.ccls.				
L13	1	eidson-john\$.in. and thermal	US-PGPUB; USPAT	OR	OFF	2010/02/28 09:39
L15	4	woods-stanley\$.in. and thermal	US-PGPUB; USPAT	OR	OFF	2010/02/28 09:40
L16	1	sitte-hans\$.in. and thermal	US-PGPUB; USPAT	OR	OFF	2010/02/28 09:40
S10	16	(thermal adj mass. ab.) and (printed adj circuit.ab.)	US-PGPUB; USPAT	OR	OFF	2010/02/08 20:52

S12	121	(heat sink.ab.) and (printed adj circuit.ab.) and (thermal adj mass)	US-PGPUB; USPAT	OR	OFF	2010/02/08 21:39
S14	6	(heat sink.ab.) and (printed adj circuit.ab.) and (thermal adj mass) and frequency and oscillator	US-PGPUB; USPAT	OR	OFF	2010/02/08 21:50
S15	361	(heat sink.ab.) and (thermal adj mass) and frequency and oscillator	US-PGPUB; USPAT	OR	OFF	2010/02/08 21:56
S16	90	(heat sink.ab.) and (thermal adj mass) and frequency.ab. and oscillator	US-PGPUB; USPAT	OR	OFF	2010/02/08 21:56
S17	11	("4454483"   "4489289"   "4613861"   "4839613"   "4893097"   "4899117"   "4985687"   "5041800"   "5081431"   "5180942"   "5392005").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/10 20:08
S18	11	("4454483"   "4489289"   "4613861"   "4839613"   "4893097"   "4899117"   "4985687"   "5041800"   "5081431"   "5180942"   "5392005").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/10 20:08
S206	93	resonator near4 (heat adj sink)	US-PGPUB; USPAT	OR	OFF	2010/02/25 20:59
S207	58	resonator near4 (heat adj sink)	USPAT	OR	OFF	2010/02/25 20:59
S208	46	oscillator near4 (heat adj sink)	USPAT	OR	OFF	2010/02/25 21:01

S209	138	frequency near4 (heat adj sink)	USPAT	OR	OFF	2010/02/25 21:04
S210	6	frequency near4 (heat adj sink.ab.)	USPAT	OR	OFF	2010/02/25 21:04
S212	1	(thermal adj drift) near4 (heat adj sink)	USPAT	OR	OFF	2010/02/25 21:04
S213	53	(thermal adj drift) and (heat adj sink)	USPAT	OR	OFF	2010/02/25 21:05
S216	175	enclosure.ab. and (heat adj sink.ab.)	USPAT	OR	OFF	2010/02/25 21:06
S217	40	enclosure.ab. and (heat adj sink.ab.) and frequency	USPAT	OR	OFF	2010/02/25 21:06
S218	175	enclosure.ab. and (heat adj sink.ab.)	USPAT	OR	OFF	2010/02/25 21:09
S219	5	enclosure.ab. and (heat adj sink.ab.) and oscillator	USPAT	OR	OFF	2010/02/25 21:09
S220	202	(heat adj sink.ab.) and oscillator	USPAT	OR	OFF	2010/02/25 21:10
S221	161	(heat adj sink.ab.) and oscillator and thermal	USPAT	OR	OFF	2010/02/25 21:11
S222	39	(heat adj sink.ab.) and oscillator and thermal.ab.	USPAT	OR	OFF	2010/02/25 21:11
S223	47	(US-20060289887-\$ or US-20090153399-\$ or US- 20040190378-\$).did. or (US-4993006-\$ or US-5654940-\$ or US- 5311060-\$ or US- 6161280-\$ or US- 4728907-\$ or US- 4445096-\$ or US- 5659270-\$ or US- 5180942-\$ or US- 5917272-\$ or US- 3796968-\$ or US- 5952894-\$ or US- 6377585-\$ or US- 6963588-\$ or US- 6967901-\$ or US- 5528560-\$ or US- 6556514-\$ or US- 4504153-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 21:18

		5805051-\$ or US-6969475-\$ or US-6280655-\$ or US-6267911-\$ or US-5770111-\$ or US-5686022-\$ or US-7280438-\$ or US-5047837-\$ or US-6918178-\$.did. or (US-5773362-\$ or US-5299091-\$ or US-5828127-\$ or US-5608267-\$ or US-5367196-\$ or US-5188985-\$ or US-5122858-\$ or US-4939316-\$ or US-3930114-\$ or US-5598034-\$ or US-5175612-\$ or US-4868349-\$ or US-4680617-\$ or US-4620215-\$ or US-5525855-\$ or US-5913552-\$ or US-6021046-\$.).did. or (US-1689471-\$.).did.				
S226	9	331/68.ccls. and (heat adj sink)	USPAT	OR	OFF	2010/02/26 09:16
S232	6	331/68.ccls. and (thermal\$.ab.)	USPAT	OR	OFF	2010/02/26 09:57
S234	9	331/67-68.ccls. and (heat adj sink)	USPAT	OR	OFF	2010/02/26 09:59
S236	59	331/67-68.ccls. and thermal\$	USPAT	OR	OFF	2010/02/26 10:06
S240	160	"331"/\$.ccls. and (thermal\$) and piezoelectric	USPAT	OR	OFF	2010/02/26 10:24
S258	160	"331"/\$.ccls. and (thermal\$) and piezoelectric	USPAT	OR	ON	2010/02/26 14:55
S259	18	"331"/\$.ccls. and (thermal\$.ab.) and piezoelectric	USPAT	OR	OFF	2010/02/26 14:56
S260	7	"331"/\$.ccls. and (heat adj sink) and piezoelectric	USPAT	OR	ON	2010/02/26 15:02



S263	2	"174"/\$.ccls. and (thermal adj drift)	USPAT	OR	ON	2010/02/26 15:04
S265	632	"174"/\$.ccls. and (heat adj sink) and frequency	USPAT	OR	ON	2010/02/26 15:04
S266	55	"174"/\$.ccls. and (heat adj sink) and frequency.ab.	USPAT	OR	ON	2010/02/26 15:05
S267	35	"174"/\$.ccls. and (heat adj sink) and oscillator	USPAT	OR	ON	2010/02/26 15:15
S275	408	"361"/\$.ccls. and (heat adj sink.ab.) and frequency	USPAT	OR	ON	2010/02/26 15:42
S276	34	"361"/\$.ccls. and (heat adj sink.ab.) and frequency.ab.	USPAT	OR	ON	2010/02/26 15:42
S277	3	"361"/\$.ccls. and (heat adj sink.ab.) and piezoelectric.ab.	USPAT	OR	ON	2010/02/26 15:52
S278	9	"361"/\$.ccls. and (heat adj sink.ab.) and piezoelectric	USPAT	OR	ON	2010/02/26 15:52
S283	207	((circuit adj board) same (heat sink) same dissip\$) and (heat adj sink.ab.) and frequency	USPAT	OR	ON	2010/02/26 15:54
S284	4	((circuit adj board) same (heat sink) same dissip\$) and (heat adj sink.ab.) and frequency and oscillat\$.ab.	USPAT	OR	ON	2010/02/26 15:54
S290	5	((circuit adj board. ab.) same (heat adj sink) same dissip\$) and crystal	USPAT	OR	ON	2010/02/26 15:57
S295	24	((circuit adj board. ab.) same (heat adj sink) ) and oscillat\$	USPAT	OR	ON	2010/02/26 16:13
S296	16	(enclos\$ near3 crystal) same (heat same metal)	USPAT	OR	ON	2010/02/26 16:15

S297	6	(enclos\$ near3 crystal) same (heat near3 dissip\$)	USPAT	OR	ON	2010/02/26 16:22
S299	178	(enclos\$ near3 crystal.ab.)	USPAT	OR	ON	2010/02/26 16:22
S300	78	(enclos\$ near3 crystal.ab.) and heat	USPAT	OR	ON	2010/02/26 16:22
S301	14	(enclos\$ near3 crystal.ab.) and heat.ab.	USPAT	OR	ON	2010/02/26 16:22
S302	7	(enclos\$ near3 crystal.ab.) and thermal.ab.	USPAT	OR	ON	2010/02/26 16:23
S303	61	331/69.ccls. and thermal	USPAT	OR	ON	2010/02/26 16:24
S304	77	331/69.ccls. not oven	USPAT	OR	ON	2010/02/26 16:35
S312	231	capacitor.ab. same (enclosure smae (heat adj sink))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:52
S313	7	capacitor.ab. same (enclosure same (heat adj sink))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:52
S314	97	capacitor.ab. same ( (heat adj sink))	US-PGPUB; USPAT	OR	OFF	2010/02/26 18:54
S316	11	capacitor.ab. same ( (heat adj sink)) same housing	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:55
S317	3	capacitor.ti. and ( (heat adj sink.ab.) same housing)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:56
S318	11	capacitor.ti. and ( (thermal\$.ab.) same housing)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:57
S319	56	capacitor.ti. and ( (electrolytic.ab.) same housing)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 18:58
S320	3	361/536.ccls. and (heat adj sink)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 19:03
S321	22	361/536.ccls. and (thermal\$)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 19:04

S322	16	361/536.ccls. and (ceramic)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 19:14
------	----	--------------------------------	------------------------------	----	-----	---------------------

**2/ 28/ 10 9:45:36 AM**

**C:\ Documents and Settings\ VMiska\ My Documents\ EAST\ Workspaces\ dialpictures.  
wsp**